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**U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

~~(Use several sheets if necessary)~~

ATTY. DOCKET NO.  
1-2-0332.2US

SERIAL NO.  
10/779,431

**APPLICANT**  
Dick et al.

**FILING DATE**  
February 13, 2004

GROUP  
Not Yet Known

## U.S. PATENT DOCUMENTS

[illegible]

~~FOREIGN PATENT DOCUMENTS~~

[illegible]

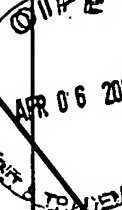
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A blank sheet of graph paper featuring a uniform grid of small squares. The grid consists of approximately 20 columns and 15 rows of squares. The lines are thin and black, set against a white background. There are no margins or additional markings on the page.

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FORM PTO-1449

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2681

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	**	5,671,218	09/1997	I et al.			
	**	5,799,154	08/1998	Kuriyan			
	**	6,044,567	01/2000	Budka			
		2002/0018565	02/2002	Luttrell et al.			
		2002/0044542	04/2002	Kim et al.			
	**	6,385,183	05/2002	Takeo			
	**	6,493,331	12/2002	Walton et al.			
		2003/0074476	04/2003	Kim et al.			
	**	6,567,461 B1	5/2003	Moon et al.			

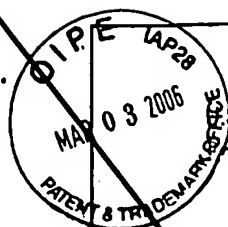
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		InterDigital Comm. Corp., "16 bit UE ID Based UE Specific Masking for HS-SCCH," Discussion and Decision, 3GPP TSG RAN WG1#26, Kyung-Ju, Korea, May 13-17, 2002.
		Siemens, "Simplified UE-ID Masking of HS-SCCH, Part 1," Discussion and Decision, TSG-RAN Working Group 1 #27, Oulu, Finland, July 2-5, 2002.
		InterDigital Comm. Corp., "16 bit UE ID based UE Specific Masking for HS-SCCH: Updated for consistency with new Rate matching for HS-SCCH," Discussion and Decision, 3GPP TSG RAN WG1#27, Oulu, Finland, July 2-5, 2002.
		"3rd Generation Partnership Project: Technical Specification Group Radio Access Network; Multiplexing and channel coding (FDD) (Release 5)," 3GPP TS 25.212 v5.1.0-DRAFT, June 2002.
	*	Lucent Technologies, "Way forward on HS-SCCH coding," 3GPP TSG-RAN WG1#25, April 2002, R1-02-0553, pp 1-6.
	*	Lucent Technologies, "Pre-coding of UE ID before Modulo 2 addition with CRC," 3GPP TSG-RAN WG1#125, April 2002, R1-02-055.
	*	Nokia, "Channel coding and error detection for HS-SCCH," TSG-RAN WG1 #23, 3GPP, January 2002, R1-02-0016.
	*	InterDigital Comm. Corp., "16 bit UE ID Based UE Specific Masking for HS-SCCH," 3GPP TSG RAN WG1#26, May 2002, R1-02-0715.
	*	3GPP TR 25.858, "Technical Specification Group Radio Access Network; High Speed Downlink Packet Access; Physical Layer Aspects," 3rd Generation Partnership Project; V5.0.0, 3GPP, (Release 5) March 2002, pp 1-31.

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2137

(Use several sheets if necessary)

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	5,671,218	09/1997	I et al.			
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	6,493,331	12/2002	Walton et al.			
	6,567,461	5/2003	Moon et al.			
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	Lucent Technologies, "Pre-coding of UE ID before Modulo 2 addition with CRC," 3GPP TSG-RAN WG1#125, April 2002, R1-02-055.
	Nokia, "Channel coding and error detection for HS-SCCH," TSG-RAN WG1 #23, 3GPP, January 2002, R1-02-0016.
	InterDigital Comm. Corp., "16 bit UE ID Based UE Specific Masking for HS-SCCH," 3GPP TSG RAN WG1#26, May 2002, R1-02-0715.
	3GPP TR 25.858, "Technical Specification Group Radio Access Network; High Speed Downlink Packet Access; Physical Layer Aspects," 3rd Generation Partnership Project; V5.0.0, 3GPP, (Release 5) March 2002, pp 1- 31.

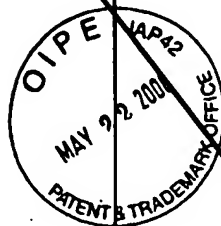
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*	3,569,956	03/1971	T.O. Acting Administrator of the National Aeronautics and Space Administration			
	5,671,218	09/1997	I et al.			
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	6,014,567	01/2000	Budka			
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	US 2002/0044542	04/2002	Kim et al.			
	6,385,183	05/2002	Takeo			
*	US 2002/0075964	06/2002	Okumura, Yukihiro			
*	US 2002/0075838	06/2002	Choi et al.			
*	US 2002/0114268	08/2002	Kim et al.			
	6,493,331	12/2002	Walton et al.			
*	US 2003/0048800	03/2003	Kilfoyle et al.			
	US 2003/0074476	04/2003	Kim et al.			
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*	6,731,618	05/2004	Chung et al.			
*	US 2005/0063347	03/2005	Sarkinen et al.			
*	6,871,813	03/2005	Gopalakrishnan, Nandu			
*	6,817,603	07/2005	Strawczynski et al.			

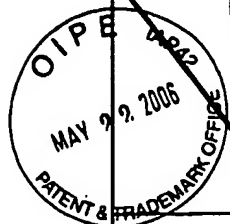
## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
*	GB 2 259 226	03/1993	UK				

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		InterDigital Comm. Corp., "16 bit UE ID Based UE Specific Masking for HS-SCCH," Discussion and Decision, 3GPP TSG RAN WG1#26, Kyung-Ju, Korea, May 13-17, 2002.	
		Siemens, "Simplified UE-ID Masking of HS-SCCH, Part 1," Discussion and Decision, Tdoc R1-02-0914, TSG-RAN Working Group 1 #27, Oulu, Finland, July 2-5, 2002.	
		InterDigital Comm. Corp., "16 bit UE ID based UE Specific Masking for HS-SCCH: Updated for consistency with new Rate matching for HS-SCCH," Discussion and Decision, 3GPP TSG RAN WG1#27, Oulu, Finland, July 2-5, 2002.	
		"3 <sup>rd</sup> Generation Partnership Project: Technical Specification Group Radio Access Network; Multiplexing and channel coding (FDD) (Release 5)," 3GPP TS 25.212 v5. 1.0-DRAFT, June 2002.	
		Lucent Technologies, "Way forward on HS-SCCH coding," 3GPP TSG-RAN WG1#25, Paris, France, April 2002, R1-02-0553, pp 1-6.	
		Lucent Technologies, "Pre coding of UE ID before Modulo 2 addition with CRC," 3GPP TSG-RAN WG1#25, April 2002, R1-02-055.	
		Nokia, "Channel coding and error detection for HS-SCCH," TSG-RAN WG1 #23, 3GPP, January 2002, R1-02-0016.	
		InterDigital Comm. Corp., "16 bit UE ID Based UE Specific Masking for HS-SCCH," 3GPP TSG RAN WG1#26, R1-02-0715, Kyung-Ju, Korea, May 13-17, 2002.	
		3GPP TR 25.958, "Technical Specification Group Radio Access Network; High Speed Downlink Packet Access; Physical Layer Aspects," 3 <sup>rd</sup> Generation Partnership Project; V5.0.0, 3GPP, (Release 5) March 2002, pp 1- 31.	
		Motorola, TSG RAN WG1 Meeting #24, "Performance of the HS-SCCH", <a href="http://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1/Docs/Zips/R1-02-0610.zip">http://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1/Docs/Zips/R1-02-0610.zip</a> , April 2002.	
		"3 <sup>rd</sup> Generation Partnership Project; Technical Specification Group Radio Access Network, Multiplexing and Channel Coding (FDD) (Release 5)", 3GPP TS 25.212 V5.0.0, March 2002.	
		Siemens, "UE Specific Bit Scrambling for TDD HS-SCCH", 3GPP TSG RAN WG1 Meeting #26, Tdoc R1-02-0400, February 9-12, 2002	

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		APPLICANT Dick et al.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	.	Siemens, "Coding and Rate Matching for HS-SCCH", TSG RAN WG1 Meeting #25, Tdoc R1-02-0604, Paris, France, April 9-12, 2002	
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	.	Siemens, "UE Specific Masking for HS-SCCH", TSG-RAN WG1 Meeting #26, R1-02-0783, Gyeongju, Korea, May 13-16, 2002	
	.	Siemens, "Revision of UE Specific Masking for HS-SCCH", 3GPP TSG-RAN WG1 Meeting #28, Tdoc 0783, Gyeongju, Korea, May 13-16, 2002	
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	.	LG Electronics, "UE-Specific Scrambling Code (USSC) for HS-SCCH: USSC based on a scrambling code with time-varying property", Tdoc R1-02-0541, TSG-RAN WG1 Meeting #26, Gyeongju, Korea, May 13-16, 2002	
	.	LG Electronics, "On User-Specific Scrambling Code for the Part 1 of HS-SCCH", Tdoc R1-02-0542, TSG-RAN WG1 Meeting #25, April 9-12, 2002	
	.	LG Electronics, "User-Specific Masking Codes for HS-SCCH", Tdoc R1-02-0543, 3GPP TSG-RAN WG1 Meeting #25, Paris, France, April 9-12, 2002	
	.	LG Electronics, "On the Criterion for UE Specific Scrambling Code", TSGR1#26-02-0771, 3GPP TSG-RAN WG1 Meeting #26, Gyeongju, Korea, May 13-17, 2002	
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	.	InterDigital Comm. Corp., "UE Specific Masking for HS-SCCH, part 1," 3GPP TSG RAN WG1#26, R1-02-0717, Gyeongju, Korea, May 13-17, 2002.	
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	.	Lucent Technologies, "False Alarm Performance of various UE ID Coding, Scrambling and CRC schemes", 3GPP TSG-RAN WG1#26, R1-02-0723, Gyeongju, Korea, May 13-16, 2002	

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	.	Lucent Technologies, "Further Results on SCCH Detection with Parity Bits", R1-02-0903, 3GPP TSG-RAN WG1#27, Oulu, Finland, July 2-4, 2002	
	.	Lucent Technologies, "UE procedures (HS-SCCH) to support HSDPA enhancements", R1-02-0904, 3GPP TSG-RAN WG1#27, Oulu, Finland, July 2-4, 2002	
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	.	NEC, "Coding for HS-SCCH", R-1-02-0964, 3GPP TSG-RAN WG1 Meeting #27, Oulu, Finland, July 2-5, 2002	
	.	NEC, "Coding for HS-SCCH", R-1-02-1121, 3GPP TSG-RAN WG1 Meeting #28, Seattle, Washington, August 19-22, 2002	
	.	Panasonic, "Removal of code mapping description over HS-SCCH", Tdoc R1(02)0774, 3GPP TSG-RAN WG1 Meeting #25, Paris France, April 9-12, 2002	
	.	Texas Instruments, "HS-SCCH: Performance results and improved structure", R1-02-0637, 3GPP TSG RAN WG1 Meeting #25, Paris, France, April 9-12, 2002	

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		"3rd Generation Partnership Project: Technical Specification Group Radio Access Network; Multiplexing and channel coding (FDD) (Release 5)," 3GPP TS 25.212 v5. 1.0-DRAFT, June 2002.	
		Lucent Technologies, "Way forward on HS-SCCH coding," 3GPP TSG-RAN WG1#25, Paris, France, April 2002, R1-02-0553, pp 1-6.	
		Lucent Technologies, "Pre coding of UE ID before Modulo 2 addition with CRC," 3GPP TSG-RAN WG1#25, April 2002, R1-02-055.	
		Nokia, "Channel coding and error detection for HS-SCCH," TSG-RAN WG1 #23, 3GPP, January 2002, R1-02-0016.	
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		Motorola, TSG RAN WG1 Meeting #24, "Performance of the HS-SCCH", <a href="http://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_Docs/Zips/R1-02-0610.zip">http://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_Docs/Zips/R1-02-0610.zip</a> , April 2002.	
		"3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Multiplexing and Channel Coding (FDD) (Release 5)", 3GPP TS 25.212 V5.0.0, March 2002.	
		Siemens, "UE Specific Bit Scrambling for TDD HS-SCCH", 3GPP TSG RAN WG1 Meeting #25, Tdoc R1-02-0400, February 9-12, 2002	

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		Siemens, "Rate Matching and Channel Coding for HS-SCCH", 3GPP TSG-RAN1 Meeting #25 R1-02-0605, Paris France, April 9-12, 2002	
		Siemens, "Improved HS-SCCH Detection Performance", TSG-RAN WG1 Meeting #25, Tdoc R1-02-0608, Paris France, April 9-12, 2002	
		Siemens, "UE Specific Bit Scrambling for TDD HS-SCCH", 3GPP TSG-Ran WG1 Meeting #26, Tdoc R1-02-0739, Gyeongju, Korea, May 13-16, 2002	
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		Siemens, "Revisions of UE Specific Masking for HS-SCCH", 3GPP TSG-RAN WG1 Meeting #28, Tdoc R1-02-0934, Gyeongju, Korea, May 13-16, 2002	
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		LG Electronics, "On User-Specific Scrambling Code for the Part 1 of HS-SCCH", Tdoc R1-02-0542, TSG-RAN WG1 Meeting #25, April 9-12, 2002	
		LG Electronics, "User-Specific Masking Codes for HS-SCCH", Tdoc R1-02-0543, 3GPP TSG-RAN WG1 Meeting #25, Paris, France, April 9-12, 2002	
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		<b>FILING DATE</b> February 13, 2004	<b>GROUP</b> 2137
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
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		Lucent Technologies, "UE procedures (HS-SCCH) to support HSDPA enhancements", R1-02-0904, 3GPP TSG-RAN WG1#27, Oulu, Finland, July 2-4, 2002	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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							YES NO
BH		2003 0080306	10/2003	KR			
BH		GB 2 259 226	03/1993	UK			X
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BH		Motorola, TSG RAN WG1 Meeting #24, "Performance of the HS-SCCH", <a href="http://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_Docs/Zips/R1-02-0610.zip">http://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_Docs/Zips/R1-02-0610.zip</a> , April 2002.	
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